DEPARTMENT OF HORSE-BREEDING OPERATIONS.

ANNUAL ADMINISTRATION REPORT

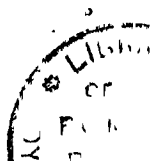
OF THE

BOMBAY PRESIDENCY

FOR THE

OFFICIAL YEAR 1891-92.

J 9-K-14



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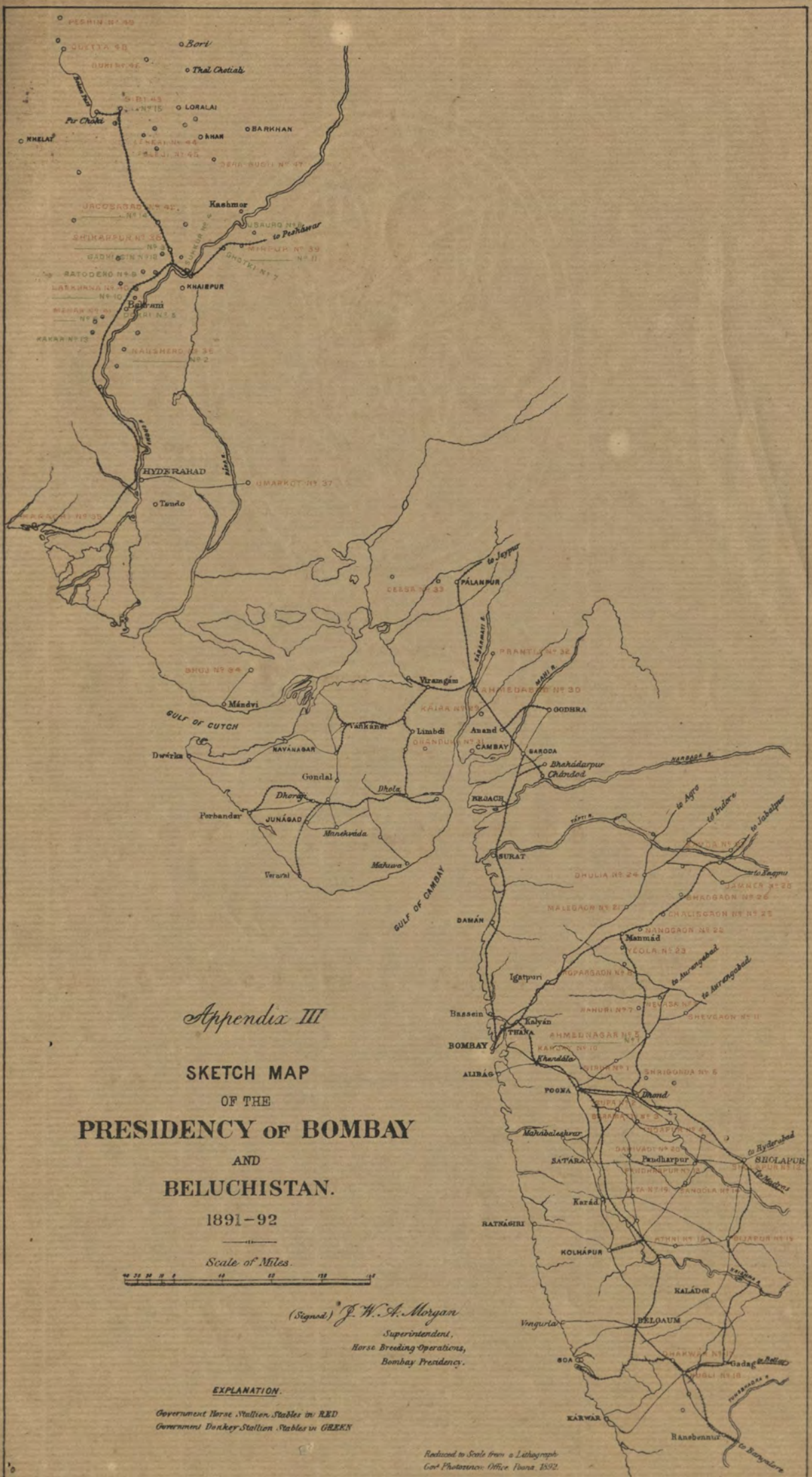

Appendix III

SKETCH MAP

OF THE

PRESIDENCY OF BOMBAY

AND

BELUCHISTAN.

1891–92

Scale of Miles.

(Signed) *J. W. A. Morgan*

Superintendent,
Horse Breeding Operations,
Bombay Presidency.

EXPLANATION.

Government Horse Stallion Stables in RED
Government Donkey Stallion Stables in GREEN

Reduced to Scale from a Lithograph
Govt Photozincgr. Office, Poona, 1892.

No. 987 of 1892.

From

J. W. A. MORGAN, Esquire,
Superintendent, Horse-breeding Operations;

To

The SECRETARY to GOVERNMENT,
Revenue Department,
Bombay.

Office of the Superintendent, Department of Horse-breeding Operations, Bombay Presidency, Ahmednagar, 27th June 1892.

Sir,

I have the honour to submit, for the consideration of His Excellency the Governor in Council, the detailed report of the working of this Department, together with statistical returns for the year 1891-92.

2. I took over charge of this Department on the 20th of May last, and consequently this report alludes to a period prior to my assuming charge.

3. As this is a continuation of my predecessor's report, I have attached copy of it to this.

I have the honour to be,
Sir,
Your most obedient Servant,
J. W. A. MORGAN,
Superintendent, Horse-breeding Operations,
Bombay Presidency.

GOVERNMENT OF BOMBAY.

DEPARTMENT OF HORSE-BREEDING OPERATIONS.

ANNUAL ADMINISTRATION REPORT FOR THE OFFICIAL YEAR 1891-92.

My tours in the Horse-breeding Districts.

At the beginning of the year under report I was at Ahmednagar and remained there till the 19th of April, and then proceeded to Bombay to assist in the examination of the students of the Bombay Veterinary College, which lasted till the 2nd of May.

1st April to 2nd May 1891.

Ahmednagar.

2. I then returned to Ahmednagar and remained there till the 4th of August, with the exception of a visit to Poona.

3. This year also there was an outbreak of glanders in the Remount Rearing Depôt, Ahmednagar, and as there was no other Veterinary Officer, I was obliged to remain at the head-quarters. I had to make a bi-weekly inspection of all the horses in the Depôt; therefore it was quite impossible for me to go on tour. Besides these inspections, precautionary measures had to be adopted, and I am glad to state that they were successful.

4. Here I would again urge the desirability of a Veterinary Surgeon being specially appointed to the Remount Depôt, as this prevented me from attending my immediate duties as Superintendent, Horse-breeding Department. I can only render veterinary aid or supervision during my short visits to Ahmednagar.

5. I am glad to say that my services have been fully acknowledged by the Director of Army Remount Department. Copy of his letter, No. 816, dated 30th June 1891, to General Superintendent, Horse-breeding Operations, is given below for perusal :—

"I have the honour to acknowledge the receipt of your letter No. 40 D, dated 22nd June 1891, regarding your visit to Ahmednagar Depôt. I beg to express to you my thanks for the advice and assistance you have been good enough to render to Captain Williamson and Mr. Grainger in the matter of the occurrence of 4 cases of glanders amongst horses at that (Ahmednagar) Depôt. I shall be obliged, also, if you will be so good as to convey to Mr. Grainger my thanks for the ready assistance he has given.

"2. I have alluded to this assistance from you both in my report to the Government of India.

"3. * * *."

Poona, 10th to 14th July 1891.

6. I went to Poona to attend the meeting of the stewards of the Poona Horse Show.

7. During my stay at the head-quarters I branded 44 mares.

Supa, 6th August 1891.

8. I visited Supa in the Párner Taluka of the Ahmednagar District and branded 1 mare for horse and 5 for pony.

Sirúr, 7th August 1891.

9. From here I proceeded to Sirúr in the Poona District and branded 3 mares for horse and 3 for pony.

Allan Bane	...T. B. E.	Merry Legs	...N. T. E.
Opal ...	... Do.	Dagobert	...T. B. E.
Pradhan	...Arab.	Hakim	...Arab.

10. I inspected the marginally noted stallions and found them in good condition.

Kolhar, 19th August 1891.

11. I branded 2 mares for horse and 16 for pony at Kolhar in the Ahmednagar District.

Rahata, 20th August 1891.

12. At Rahata on the 20th of August I branded 4 mares for horse and 14 for pony.

Kopargaon, 21st August 1891.

13. I next went to Kopargaon and branded 16 mares for pony. I inspected the pony stallion "Glendale" and found him suffering from skin disease, and I recommended treatment, &c., and the pony was cured.

Málegaon, 30th August 1891.

14. Thence I proceeded to Málegaon in the Násik District and branded 58 mares for pony and rejected 100. The mares were a poor lot.

15. I inspected the Government stallion "Cruiser" and found him in excellent condition.

Nándgaon, 31st August 1891.

16. From here I marched to Nándgaon in the same district and branded 51 mares for pony and rejected 310. The mares were a poor lot. The pony stallion "Cyclone" was in good condition.

Chálisgaon, 1st September 1891.

17. My next visit was to Chálisgaon in the Khándesh District where I branded 66 mares for pony. Here I inspected the Government stallion "Pinto" and found him in good condition.

Dhulia, 2nd September 1891.

18. From here I went to Dhulia and branded 33 mares for pony and rejected 47. I found the stallion "Torpedo" in good condition.

Poona, 16th to 22nd September 1891.

19. My next duty was to assist at the Poona Horse Show. The show was not so successful as in former years. This may be accounted for by the scarcity of forage and disinclination of breeders to bring their animals to the show owing to expense.

Adonis ...	...T. B. E.	Dagobert...	...T. B. E.
Merry Legs	...N. T. E.	Allan Bane	... Do.
Model ...	... Do.	Young Freedom	...N. T. E.
Pradhan ...	...Arab.	Hakim ...	...Arab.
Chinkara...	... Do.	Tanaji ...	... Do.
Hector ...	... Do.		

20. During the show 20 mares were branded for horse and 3 for pony. I inspected the stallions noted in the margin and found them in excellent condition.

Quetta, 29th September to 4th October 1891.

21. I attended the Horse Show held here on the 2nd and 3rd of October 1891. This was the second show. The show was a better one, and I am of opinion that with a little encouragement from the Government of India it would be a decided success, and its stability assured. The prizes for the next show must be increased.

22. A large number of horses and young stock was purchased by the Officers Commanding 7th Bombay Lancers, the 2nd Bengal Lancers, the Zhob Levies and the Remount Agent, Punjab.

23. During the show I branded 15 mares for horse and rejected 20. I also inspected the stallions in Beluchistán and found them in good condition.

24. Thence I returned to Ahmednagar. On my way here I inspected the stallions at Ahmedabad and found the English horse "Cottenham" in very poor condition, and recommended the man in charge to subject him to a course of tonic medicine and a total change of diet.

25. On the 9th, 10th and 11th there was a Horse Show at Ahmednagar, but I was unable to attend it owing to sickness, and Veterinary Surgeon Sharp acted for me. I learn from him that the show was a successful one.

Mystic	...Arab	Mainstay ...	Arab.
Friendship	... Do.	Deshmukh ...	Do.
Sailor Boy	... Do.	Orator ...	Do.
Glendale	... Do.	Sardar ...	Do.
Zamindar ...	... Arab.		

26. All the stallions in the district as per margin were assembled for my inspection, and I found them in good condition. At this time I transferred "Clipper" to Karjat.

27. Rajkot Horse Show was fixed to be held on the 20th of November, but it was postponed on account of scarcity of fodder, &c,, in Káthiáwár.

28. I then arranged for my tour in Sind, and went and branded 30 mares for horse, 45 for pony, 8 for donkey, and rejected 200 at Lárkhána on the 8th of December. I inspected the stallions noted in the margin, and found them in good condition.

Lárkhána, 8th December 1891.

Waverly	...	...Arab.
Latchkey	...	... Do.
Behera...	...	Don. Stal.
Neddy ...	...	... Do.

29. From Lárkhána I proceeded to Rádhan and branded 5 mares for horse, 27 for pony, 7 for donkey, and rejected 75.

Rádhan, 10th December 1891.

30. At Jacobabad on the 4th of January 1892 I branded 33 mares for horse, 29 for pony, 15 for donkey, and rejected 60.

Jacobabad, 4th January 1892.

31. From here I marched to Thul in the same district and branded 8 mares for horse, 32 for donkey and rejected 40.

Thul, 6th January 1892.

32. My next duty was to attend the Shikárpur Horse Show, which was held on the second Monday in January 1892.

Shikárpur, 8th to 14th January 1892.

33. Although the number of exhibits was not as large as the last year, yet the quality was superior. The decrease in the number was attributed to the scarcity of fodder in two tálukas of the Upper Sind Frontier District.

34. The Remount Class was well attended. The quality was superior to that of the last two years. Only 52 purchases have been made against 162 in 1890 and 147 in 1891. Many purchases were made some time before the show by the local regiments and Remount Department, and therefore the number of purchases made in the show must be smaller. One mule was purchased during the show, but it is believed 29 were purchased after the show was over.

35. The marginally noted Government stallions from both Shikárpur and Jacobabad districts were collected for my inspection, and I found them in good condition except "Sir Peter" of the Upper Sind Frontier District, who was suffering from paralysis. I transferred him to Bábugarh in consultation with the General Superintendent, Horse-breeding Operations.

Shikárpur Stallions.

Royal Visit	...	...Arab.
Waverly	...	... Do.
Latchkey	...	... Do.
Sir Frank	...	... Do.

Donkey Stallions.

Neddy, Behera, Balaam, Colombo, Shah Ferid, Faust, Plutus, Achnera, John, Gopiganj, Kulloo, Changi, Hafijganj.

Jacobabad Stallions.

Cupid	...	...N.T.E.
Trustee	...	...N.T.E.
Sobersides	...	...T.B.E.
Kaiser	...	... Arab.
Contract	...	...N.T.E.
Sir Peter	...	...N.T.E.
Gold Mohor...	...	... Arab.
Samnite	...	... Do.
Temptation ...	...	... Do.

Donkey Stallions.

Ramghat, Khandoba, Bagput, Patwari, Caliban, Socrates, Maidas.

'G. R., R. D., No. 990 of 10th February 1892.

36. During the show I branded 15 mares for horse, 1 for pony, and rejected 12.

37. I arrived here on the 16th of January and branded 6 mares for horse, none for pony, and 25 for donkey.

Mirpur, 16th January 1892.

38. Thence I went to Phulji in the Hyderabad District where stallions from the Nausháhro Sub-division were brought in for my inspection, and I found them in good condition. No mares were collected for my inspection.

Phulji, 18th January 1892.

Eureka...	...	...Arab.
Kandahari	...	... D. S.
Paradox	...	...Arab.
Pindi ...	...	...D. S.

39. I came here on the 19th and remained till the 23rd and went to Cutch-Mándvi.

Karáchi, 19th to 23rd January 1892.

Cutch-Mándvi, 26th January 1892.

40. Here many mares were collected for my inspection, but they were a poor lot and in bad condition, and I had to reject them.

Bhúj, 29th January 1892.

41. I then marched to Bhúj in Cutch and branded 5 mares for horse and 1 for pony. The Horse Show here was postponed owing to the scarcity of fodder and water. I inspected the marginally noted stallions and found them in good condition. I was not able to procure young stock for the Ahmednagar Remount Depôt, as both the Political Agent and His Highness the Ráo of Cutch had gone to Bombay, and what was brought for my inspection were much below the standard.

Hampton ...	...T.B.E.
Glennore ...	... Arab
Scindia ...	... Do.

Ahmedabad, 8th to 15th February 1892.

42. There was an increase of 108 animals attending the Ahmedabad Horse Show if compared with the figures of the year before. It is to be regretted that the quality of the exhibits showed no improvement, and I believe it is due to the scarcity and dearness of fodder. Many of the animals were half starved.

Harvester ...	.. Arab.	Lord Napier ...	... Arab.
Dispatch ...	...T.B.E.	Kohinoor ...	... Do.
Majeeb ...	... Arab.	Hassan ...	... Do.
January ...	... Do.	Angria ...	... Do.
Cottenham ...	...T.B.E.		

43. The marginally noted stallions were assembled for my inspection, and I found them in good condition.

44. During the show I branded 13 mares for horse, 99 for pony, and rejected 25.

Deesa.

45. From Ahmedabad I went to Deesa and inspected the Government stallions "Melton" and "Eleavier" and found them in bad condition, and the latter horse suffering from a severe strained hock. I recommended him to be sent to the Royal Artillery sick lines, and Veterinary Surgeon Peacocke reports that he is improving.

Sibi, 26th February to 6th March 1892.

46. My next duty was to attend the Sibi Horse Show. There was a slight increase in the number of exhibits compared with the figures of the last year.

47. The following is the number of remounts purchased at the show :—

By 15th Bengal Lancers	... 16
„ 17th „ Cavalry	... 25
„ 18th „ Lancers	... 25
„ 6th Bombay Cavalry	... 21
„ Zhob Levy Corps	... 78
„ Quetta Police Levies	... 11
„ Thul Chotiali Police Levies	... 5
Total	... 181

48. Besides these, 4 young stock and a number of remounts for European Cavalry by Colonel Deane and Major Chalmers were purchased.

49. Only 2 mules at an average cost of Rs. 102-8-0 were purchased.

50. The show was a great success both in number and quality.

51. I branded 97 mares for horse and rejected 36.

52. I inspected the stallions noted in the margin and found them in good condition, with exception of "Sir Francis" and "Songster." They were in poor condition, and I recommended that they should be allowed an extra supply of green food and entire change of grain diet.

Hinghamswell ...	...N.T.E.	Jamtara	... Arab.
Sir James	... Do.	Essau bin Curtas ...	... Do.
Reliance	... Do.	Rejib	... Do.
Brunno	... Do.	April Morn	... Do.
Midnight	... Do.	Kohilan	... Do.
Sportsman III ...	... Do.	Akbar	... Do.
Songster	...T.B.E.	Kurbella	... Do.
Sir Francis	... Do.	Lassa	... Do.
Duncan	... Do.	Siahi	... Do.
Hassar	... Arab.	Syria	... Do.
Akola	... Do.	Beaver	... Do.
Benjani	... Do.	Jiramjee	... D.S.

53. From here I returned to Ahmednagar, and inspected the Remount Rearing Depôt.

54. Thence I went to Bombay to purchase 2 horses for stud purposes, but only procured 1.

(Signed) J. K. GRAINGER,
Superintendent, Horse-breeding Operations.

(True Copy)

J. W. A. MORGAN,
Superintendent Horse-breeding Operations,
Bombay Presidency.

STATISTICAL REPORT.

Stallions : number of.

On the 1st of April 1891, the number of horse stallions present on the register was as follows :—

	Horse.	Pony.	Total.
Thorough-bred English	11	...	11
Half-bred English, including Norfolk Trotters ...	10	...	10
Arabs	29	32	61
Pegu	...	1	1
Total ...	50	33	83

Increase : received during the year.

2. The following table shows the number of stallions received during the year under report :—

	Horse.	Pony.	Total.
From England thorough-bred English	1	...	1
By transfer from Bengal, ¾ bred	1	...	1
By purchase in India, Arabs	2	...	2
Presented to Government, Arab	...	1	1
Total ...	4	1	5

Government Resolution No. 6391 in the Revenue Department, dated 16th September 1891.

3. The two English stallions are kept at Ahmednagar. Out of the two Arabs locally purchased, one has been sent to Jacobabad and one is at Ahmednagar. The Arab pony "Temptation" presented to Government by Mr. Steele, the late Deputy Commissioner of Jacobabad, is standing at Jacobabad.

Decrease : casualties.

4. A reference to Appendix I will show that the total of deaths was 6 against 1 last year. One died of anthrax, another from enteritis or scrotal hernia, third from kumri, fourth from colic, fifth from apoplexy and the sixth from inflammation of the liver. The following figures will show the percentage of casualties during this and the year before :—

In 1890-91	...1·20
„ 1891-92	...7·89

Sales.

5. Appendix II gives the details of stallions sold, during the year under report, for reasons rendering them unfit for further employment as sires.

Number of stallions present.

6. The number and classes of stallions present at the close of the year under report will be found detailed below :—

	Horse.	Pony.	Total.
Thorough-bred English	10	...	10
Half-bred English, including Norfolk Trotters ...	8	...	8
¾ bred English	1	...	1
Arabs	26	30	56
Pegu	...	1	1

7. The distribution of these stallions together with the Beluchistán stallions during the last fourteen years will be found in the following table :—

Distribution.

Provinces.	1878-79.	1879-80.	1880-81.	1881-82.	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Deccan	27	41	40	45	47	41	37	45	55	58	55	50	48	45
Gujarát	17	22	20	24	20	18	18	19	20	17	14	11	11	11
Sind and Cutch ...	12	12	9	9	13	16	17	17	28	28	27	23	24	20
Beluchistán	...	...	...	...	...	4	3	8	19	14	13	19	21	23
Total ...	56	75	69	78	80	79	75	89	122	117	109	103	104	99

Of the total strength (including Beluchistán) on the register, the number actually employed at stud work during the year was 88·67. The remainder were in depôt either for acclimatization, or temporarily unfit for service.

Map of horse-breeding operations.

8. Appendix III is the map of the horse-breeding districts: horse stallion stands are shown in red ink and the donkey stallion stands are shown in green ink.

9. Appendices IV and V show the number of mares covered by each horse and donkey stallions together with the results. These returns are furnished in accordance with the orders of Government: *vide* paragraph 9 of Government Resolution in the Revenue Department, No. 1259, dated 19th February 1892. The Statements VII and VIII of the last annual report have been discontinued by the order of the Government of India.

10. The list of horse and donkey stallion stands abolished and established during the year under report is given below :—

Horse or Donkey Stand.	Name of Stand.	District.
1	2	3
	Stands abolished.	
Horse	Shetfal	Sholápur.
Do.	Shiggaon	Dhárwár.
Do.	Hángal	Do.
Do.	Násik	Násik.
Do.	Sehwan	Karáchi.
Do.	Kandiáro	Hyderabad.
Do.	Moro	Do.
Do.	Zhal	Beluchistán.
Do.	Khushalak	Do.
Do.	Kahan	Do.
Do.	Shohsran	Do.
	Stands established.	
Horse	Karjat	Ahmednagar.
Do.	Sholápur	Sholápur.
Do.	Dhárwár	Dhárwár.
Do.	Hubli	Do.
Do.	Karáchi	Karáchi.
Do.	Duki	Beluchistán.
Donkey	Ahmednagar	Ahmednagar.

Stallions: demand for.

11. Horse-breeding is steady in Deccan and Gujarát and it is flourishing in Sind, Cutch and Beluchistán. In Deccan and Gujarát there was scarcity of forage during the year under report, and therefore, the services of some of the Government stallions have not been availed of to the full extent.

12. I expect to receive 2 thorough-bred English and 1 Norfolk Trotter from England, and will have to purchase about 14 Arab stallions locally.

Further supply of stallions.

13. Appendix VI shows the cost of feed, keep, attendants, transit, &c., of horse stallions during the year under report, and the figures noted below give the general annual average for the past fourteen years :—

Cost of keep, &c., of horse stallions.

	Rs.	a.	p.		Rs.	a.	p.
In 1878-79	442	9	0	In 1885-86	317	6	5
„ 1879-80	358	5	0	„ 1886-87	341	2	7
„ 1880-81	301	1	0	„ 1887-88	362	12	5
„ 1881-82	272	8	7	„ 1888-89	344	3	6
„ 1882-83	285	9	11	„ 1889-90	363	0	6
„ 1883-84	319	10	8	„ 1890-91	343	5	5
„ 1884-85	339	5	3	„ 1891-92	385	12	2

Thus there is an increase of Rs. 42-6-9 if compared with the figures of the last year. The increase is due to the high prices of fodder.

Branded mares : number of.

14. The number of branded mares on the registers at the beginning of the year under report was as follows :—

Provinces.	Horse.	Pony.	Total.
1	2	3	4
Deccan	1,265	5,612	6,877
Gujarát	1,031	1,137	2,168
Sind and Cutch	2,217	181	2,398
Beluchistán...	911	18	929
Total ...	5,424	6,948	12,372

15. During the year the following number of mares were added to the registers :—

Provinces.	Horse.	Pony.	Total.
1	2	3	4
Deccan	59	321	380
Gujarát	13	99	112
Sind and Cutch	98	103	201
Beluchistán...	116	.....	116
Total ...	286	523	809

16. The following number of branded mares have been removed from the registers during the year for reasons noted below :—

	Horse.	Pony.	Total.
1	2	3	4
Died	11	45	56
Total ...	11	45	56

17. On the 31st March 1892 the number of mares remaining on the registers shown in Appendix VII was as follows :—

Provinces.	Horse.	Pony.	Total.
1	2	3	4
Deccan	1,313	5,891	7,204
Gujarát	1,044	1,233	2,277
Sind and Cutch	2,315	284	2,599
Beluchistán...	1,027	18	1,045
	5,699	7,426	13,125

Produce : number of.

18. The results from the coverings of 1890-91 are shown in Appendix VIII.

19. The percentage of produce foaled during the last two years to mares covered is shown below :—

In 1890-91	34·63
„ 1891-92	40·76

20. The average number of produce foaled per stallion employed will be found noted below :—

In 1890-91	11·69
„ 1891-92	10·80

Number of mares covered.

21. The number of branded mares covered by Government horse stallions during the last ten years is shown below :—

In 1882-83	2,508	In 1887-88	3,578
„ 1883-84	1,792	„ 1888-89	3,282
„ 1884-85	1,884	„ 1889-90	3,143
„ 1885-86	2,317	„ 1890-91	3,270
„ 1886-87	2,765	„ 1891-92	3,087

This shows a decrease of 183 if compared with the figures of the previous year. The decrease is due chiefly to the poor condition of mares on account of the scarcity of forage.

Cast mares : sale of.

22. Only 1 cast mare was sold for brood purposes, as detailed in Appendix IX. The mare was sold by the Military Department. The sale of such mares through this Department has been discontinued for some years past.

Number of country-bred remounts purchased.

23. The abstract of Appendix X is given below, showing the number of country-bred remounts purchased during the year :—

By Bombay Native Cavalry	101
„ Police, Northern Division	9
„ „ Southern do.	...
„ „ Central do.	8
„ „ in Sind	75
„ Ahmednagar Remount Rearing Depôt	58
	251

24. Besides the above the following number of remounts were purchased at Quetta, Sibi and Shikárpur Horse Show ; but they are not included in the above statement, as they have gone to other Provinces.

By Major Lamb, at Quetta	...	6
„ 13th Bengal Lancers, at	Shikárpur ...	8
„ 2nd Punjab Cavalry, at	do. ...	9
„ Major Chalmers	do. ...	1
„ 15th Bengal Lancers, at	Sibi ..	16
„ 17th Bengal Cavalry	do. ...	25
„ 18th Bengal Lancers	do. ...	25
„ Zhob Levy Corps	do. ...	78
„ Quetta-Pishin Police	do. ...	11
„ Thal Chotiali Police	do. ...	5
	Total	184

Castration of colts.

25. Appendix XI shows the number of horse colts castrated by Government salutris during the year under report. The number castrated during the last eleven years is shown below:—

In	1881-82 ...	11
„	1882-83 ...	71
„	1883-84 ...	129
„	1884-85 ...	82
„	1885-86 ...	122
„	1886-87 ...	68
„	1887-88 ...	76
„	1888-89 ...	98
„	1889-90 ...	72
„	1890-91 ...	127
„	1891-92 ...	320

26. Besides these the Ahmednagar salutri castrated 100 colts from the Government Remount Depôt here, but they are not included in the foregoing figures.

27. There is an increase of 193 colts if compared with the corresponding figures of 1890-91. No deaths occurred from the effects of castration.

Mule-breeding.

Donkey stallions: number of.

28. On the 1st of April 1891 the number and classes of donkey stallions present on the registers are shown below:—

Arab	4
Bokhara	1
Italian	11
Persian	5
Khorásán	1
Cyprus	2
Total	24

Increase during the year.

29. The undermentioned donkey stallions were added to the registers during the year under report:—

Received by importation, Italians ... ... 2.

Decrease during the year.

30. The following table shows the number and classes of donkey stallions removed from the registers:—

Died.

	Rs.
Italians	2
Persian	1
Total	3

The particulars of the deaths will be found in Appendix XII.

Number of donkey stallions present.

31. The number and classes of donkey stallions remaining on the registers at the close of the year are shown below :—

Arab	4
Bokhara	1
Italian	11
Persian	4
Khorásán	1
Cyprus	2
Total	23

Besides these there is 1 donkey stallion serving in Beluchistán.

Demand for donkey stallions.

32. The 2 donkey stallions received this year are kept at Ahmednagar Depôt for acclimatization. I expect to receive 3 Persians and 2 Italians next trooping season.

Cost of keep, &c., of the donkey stallions.

33. Appendix XIII shows the cost of keep, &c., of donkey stallions during the year under report: and the gereral averages for the last ten years will be found noted below :—

	Rs.	a.	p.		Rs.	a.	p.
In 1882-83	233	9	0	In 1887-88	291	7	7
„ 1883-84	194	4	8	„ 1888-89	260	0	6
„ 1884-85	240	13	10	„ 1889-90	270	5	5
„ 1885-86	202	15	6	„ 1890-91	272	5	10
„ 1886-87	230	14	9	„ 1891-92	254	3	3

34. There is a decrease of Rs. 18-2-7 if compared with the figures of the last year.

Mares covered: number of.

35. The number of pony mares covered by Government donkey stallions during the last nine years is noted below :—

In 1883-84	209	In 1887-88	819
„ 1884-85	294	„ 1888-89	890
„ 1885-85	338	„ 1889-90	821
„ 1886-87	616	„ 1890-91	868
In 1891-92	1,019		

36. The number covered this year shows an increase of 151 over the corresponding figures of 1890-91.

Mule stock : number of.

37. Appendix XIV is a general statement showing the results of mule-breeding operations during the year under report. 88 mules are reported to have been foaled as against 61 last year. Certainly many more foals must have been dropped, but the information is not forthcoming : for reasons see paragraph 130 of the last Annual Report.

Horse Fairs and Shows.

38. The amounts awarded as prizes at each of the Fairs and Shows held in this Presidency and Beluchistán are given below :—

Poona	Rs. 2,745
Ahmednagar	„ 890
Ahmedabad	„ 2,425
Shikárpur	„ 4,500
Sibi	„ 2,301
Quetta	„ 736
Total	Rs. 13,597

39. The total expenses incurred for these Shows are given in Appendix XV. Out of the total expenses, *viz.* Rs. 20,732-10-6, Rs. 7,000 were paid from the Provincial Revenues, and Rs. 1,250 by the Imperial Government for Sibi and Quetta Horse Shows : and the balance, *viz.* Rs. 12,482-10-6, was contributed by Local Funds and subscriptions.

Cost of the Department.

40. The expenses incurred for Superintendent and his office establishment are Rs. 10,638-1-4 against Rs. 9,922-1-5. This shows an increase of Rs. 715-15-11. This is attributed to the Superintendent's travelling to and from Sind three times.

41. The total expenses of Rs. 66,767-3-6 have been divided as follows. The details of this will be found in Appendix XVI :—

		Rs.	a.	p.
I—Cost of supervision		14,454	6	0
II—Keep and purchase of stallions ...		44,062	13	6
III—Prizes at Horse Shows		8,250	0	0
	Total	66,767	3	6

Out of this the sum of Rs. 13,873-6-0 are paid by Local Funds and Rs. 10,049-12-8 are paid by Imperial Government for maintenance and keep of Government stallions in Beluchistán and prizes at the Sibi and Quetta Horse Shows. Thus Rs. 42,844-0-10 are debited to Provincial Revenues, thereby effecting a saving of Rs. 7,155-15-2 from Rs. 50,000 allotted to this Department.

42. The amounts paid as prizes at the Fairs and Horse Shows during the last eleven years are as follows:—

		Rs.	a.	p.
In	1881-82	10,515	11	4
„	1882-83	11,866	8	0
„	1883-84	10,666	14	6
„	1884-85	8,370	0	0
„	1885-86	6,383	0	0
„	1886-87	9,400	0	0
„	1887-88	*9,900	0	0
„	1888-89	*8,430	0	0
„	1889-90	*7,600	0	0
„	1890-91	*9,460	0	0
„	1891-92	*8,250	0	0

43. Rs. 2,467 were spent on account of the purchase of horses. The average per annum for the last twelve years was Rs. 5,656-14-7.

44. The expenses incurred under the head of stallions' keep, &c., &c , are Rs. 27,027-10-3 against Rs. 28,012-11-0. The expenses incurred for stallions' keep, &c., &c., in Beluchistán are Rs. 8,586-0-2.

45. The expenses under this head for the last ten years have been as given below:—

					Rs.	a.	p.
In	1882-83	the cost of	73·32	stallions was	19,600	15	6
„	1883-84	do.	72·78	do.	23,269	2	3
„	1884-85	do.	70·28	do.	23,114	11	4
„	1885-86	do.	76·06	do.	24,020	15	4
„	1886-87	do.	93·69	do.	31,321	15	11
„	1887-88	do.	100·40	do.	33,612	0	11
„	1888-89	do.	100·002	do.	33,643	11	2
„	1889-90	do.	91·42	do.	32,368	7	9
„	1890-91	do.	76·77	do.	28,012	11	0
„	1891-92	do.	75·37	do.	27,027	10	3

46. With reference to the concluding portion of paragraph 2 of Government Resolution No. 1259 in the Revenue Department, dated 19th February last, I beg to state that I have asked the opinions of the District Officers concerned with regard to the improvement of stable accommodation at different stands, and will submit the proposals soon after the information is received.

J. W. A. MORGAN,
Superintendent, Horse-breeding Operations,
Bombay Presidency.

* Includes the amount paid by the Imperial Government towards Sibi and Quetta Horse Shows.

APPENDIX I.

GOVERNMENT OF BOMBAY.

HORSE-BREEDING OPERATIONS.

Casualty Roll of Horse Stallions in the Bombay Presidency during the offical year 1891-92.

No.	English Name.	Native Name.	Class.	Description of casualty.	Date of casualty.	Nature of casualty.
1	2	3	4	5	6	7
1	Glencoe ...	...	Arab ...	Died ...	9th April 1891 ...	Anthrax.
2	.....	Multum.	Do. ...	Do. ...	29th do. ...	Enteritis or scrotal hernia.
3	Mars ...	...	Do. ...	Do. ...	29th June 1891 ...	Kumri.
4	Ormonde ...	...	Do. ...	Do. ...	16th July 1891 ...	Colic or enteritis.
5	Shrewsbury .	...	T. B. E.	Do. ...	28th do. ...	Apoplexy.
6	.....	Dwárka.	Arab ...	Do. ...	11th October 1891 .	Inflammation of the liver.

ABSTRACT.

Presidency.	Province.	Number died.	Number destroyed.	Total.	Average deaths.	Average destroyed.	General average.
1	2	3	4	5	6	7	8
Bombay Presidency.	Deccan	1	...	1	7·89	...	7·89
	Gujarát	1	...	1			
	Sind	4	...	4			

APPENDIX II.

GOVERNMENT OF BOMBAY.

HORSE-BREEDING OPERATIONS.

Statement of Horse Stallions sold during the year 1891-92.

No.	English Name.	Native Name.	Class.	Date of Sale.	Name of Purchaser.	Amount sold for.	REMARKS.
1	2	3	4	5	6	7	8
						Rs. a. p.	
1	.....	Shahr	Arab ...	27th May 1891 ...	Mr. Khatansing Hotising.	100 0 0	Impotent.
2	Nicholas	.....	Do. ...	27th May 1891 ...	Mr. Khatansing Hotising.	150 0 0	Impotent.
3	.....	Tahlim... ...	Do. ...	24th May 1891 ...	Mr. Pestonji Sorabji ...	105 5 0	Impotent.
4	Luminary	.....	N.T.E. ...	16th July 1891 ...	General Pottinger ...	277 8 0	Slow coverer.

J. W. A. MORGAN,
Superintendent, Horse-breeding Operations,
Bombay Presidency.

APPENDIX IV.

GOVERNMENT OF BOMBAY.

HORSE-BREEDING OPERATIONS.

Statement showing the Number of Mares covered by each Horse Stallion during 1890-91, together with their results ascertained during the year under report.

Serial Number.	Name and Class of Horse Stallions.		Number of Mares covered during 1890-91.	Results.						Remarks.
	Name.	Class.		Colts.	Fillies.	Died.	Abortions.	Not held.	Not known.	
1	2		3	4						5
1	Opal	T. B. E.	44	1	5	7	...	31	...	
2	Pradhan	Arab ...	46	13	5	11	...	17	...	
3	Hakim	Do. ...	45	10	5	10	...	20	...	
4	Dagobert	T. B. E.	47	13	6	1	...	27	...	
5	Merrylegs	N. T. E.	29	3	3	3	...	20	...	
6	Allan Bane	T. B. E.	42	9	7	7	...	19	...	
7	Samnite	Arab ...	14	1	1	...	...	12	...	
8	Altcar	T. B. E.	2	...	...	...	...	2	...	Died 30th April 1890.
9	Hector	Arab ...	31	6	7	3	...	15	...	
10	Chinkara	Do. ...	34	5	6	6	...	17	...	
11	Model...	N. T. E.	39	6	8	8	...	17	...	
12	Young Freedom ...	Do. ...	41	11	6	6	...	18	...	
13	Tannaji	Arab ...	14	3	3	3	...	5	...	
14	Rocket	Do. ...	5	1	1	1	...	2	...	
15	Kumayat	Do. ...	7	...	...	...	...	...	7	Sold 15th November 1890.
16	Ormonde	Do. ...	5	2	2	...	...	1	...	Died 16th July 1890.
17	Adonis	T. B. E.	20	6	...	4	...	10	...	
18	Wise Child	Do.	37	1	...	...	...	36	...	Transferred to Bengal.
19	Tam O'Shanter ...	Do.	30	5	3	2	...	20	...	
20	Review	N. T. E.	34	4	2	5	3	20	...	
21	Luminary	Do.	12	3	2	2	...	5	...	Sold 16th July 1891.
22	Silvermane	Arab ...	19	...	1	...	...	18	...	
23	Mystic	Do. ...	27	1	3	7	2	14	...	
24	Kaiser	Do. ..	22	2	3	...	2	15	...	
25	Mainstay	Do. ...	24	2	4	3	1	14	...	
26	Friendship	Do. ...	24	3	3	1	1	16	...	
27	Deshmukh	Do. ...	16	2	2	4	2	6	...	
28	Sailor Boy	Do. ...	35	3	6	...	2	24	...	
29	Orator	Do. ...	29	5	3	6	...	15	...	
30	Glendale	Do. ...	27	8	3	4	4	8	...	
31	Sirdar...	Do. ...	28	5	4	3	2	14	...	
32	Zamindar	Do. ...	42	2	...	...	1	39	...	
33	Nuzzur	Do. ...	18	2	3	3	...	10	...	
34	Mostrib	Do. ...	32	8	5	5	1	13	...	
35	March...	Do. ...	26	1	7	2	2	14	...	
36	Rizak	Do. ...	26	...	8	...	2	16	...	
37	February	Do. ...	10	4	1	...	...	5	...	
38	Moochel	Do. ...	3	...	1	...	...	2	...	Sold 23rd January 1891.
39	Diamond	Pegu ...	9	2	3	2	2	...	...	
40	Tippoo	Arab ...	...	...	...	...	...	...	...	
41	Spider	Do. ...	34	5	5	7	1	16	...	
42	Kingcraft	Do. ...	21	8	3	4	...	6	...	
43	Multum	Do. ...	24	1	...	...	1	22	...	Died 29th April 1891.
44	Cruiser	Do. ...	31	6	5	...	...	20	...	
45	Clipper	Do. ...	16	5	3	...	...	8	...	
46	Cyclone	Do. ...	32	4	7	...	2	19	...	
47	Torpedo	Do. ...	15	4	1	...	...	10	...	
48	Pinto	Do. ...	32	3	2	...	...	25	2	
49	Monk	Do. ...	32	...	...	...	...	...	32	
50	Nana	Do. ...	6	...	...	...	...	6	...	Sold 6th December 1890.
51	Grey Friar	Do. ...	25	1	...	...	..	8	16	
52	Kaldar	Do. ...	25	1	...	...	...	13	11	
53	Majeeb	Do. ...	14	1	1	...	...	12	...	
54	Harvester	Do. ...	27	3	1	...	...	23	...	

APPENDIX IV—*continued.*

Serial Number.	Name and Class of Horse Stallions.		Number of Mares covered during 1890-91.	Results.						Remarks.
	Name.	Class.		Colts.	Fillies.	Died.	Abortions.	Not held.	Not known.	
1	2		3	4						5
55	Elzevier	T. B. E.	41	3	2	1	...	19	16	
56	Dispatch	N. T. E.	26	...	...	...	...	24	2	
57	Lord Napier	Arab ...	13	1	...	...	...	6	6	
58	January	Do. ...	59	7	7	5	...	32	8	
59	Cottenham	T. B. E.	18	1	3	...	...	9	5	
60	Angria	Arab ...	56	4	10	4	1	37	...	
61	Kohinoor	Do. ...	21	...	1	...	...	10	10	
62	Hassan	Do. ...	42	8	7	2	...	15	10	
63	Melton	Do. ...	32	9	7	...	1	...	15	
64	Glennore	Do. ...	33	8	2	...	1	22	...	
65	Hampton	T. B. E.	46	6	2	...	2	36	...	
66	Scindia	Arab ...	39	4	5	...	...	30	...	
67	Tahlim	Do. ...	24	1	2	...	...	21	...	Sold 24th May 1891.
68	Shammer	Do. ...	29	6	3	...	...	20	...	
69	Dwarka	Do. ...	34	1	2	...	...	30	1	Died 11th October 1891.
70	Paradox	Do. ...	33	3	6	...	...	22	2	
71	Eureka	Do. ...	16	2	...	...	...	13	1	
72	Khatan	Do. ...	36	3	8	...	...	13	12	
73	Shahr...	Do. ...	14	...	...	...	...	...	14	Sold on 27th May 1891.
74	Ghencoe	Do. ...	26	...	...	...	...	...	26	Died 9th April 1891.
75	Royal Visit	Do. ...	12	1	...	...	...	3	8	
76	Latchkey	Do. ...	8	1	1	...	...	6	...	
77	Nicholas	Do. ...	17	...	...	...	...	...	17	Sold 27th May 1891.
78	Waverly	Do. ...	12	2	1	...	...	9	...	
79	Cupid...	N. T. E.	51	9	3	...	...	...	39	
80	Contract	Do.	52	3	9	...	...	...	40	
81	Shrewsbury	T. B. E.	53	5	13	...	...	...	35	Died 28th July 1891.
82	Sobersides	Do.	50	8	4	...	...	...	38	
83	Trustee	N. T. E.	57	7	5	...	...	...	45	
84	Sir Peter	Do.	57	5	4	...	...	...	48	Transferred to Bábugarh.
85	Sir Frank	Arab ..	41	1	8	...	...	...	32	
86	Gold Mohor	Do.	52	6	2	...	...	...	44	
87	Mars	Do.	42	6	3	...	...	...	33	Died 29th January 1891.
88	Brunno	N. T. E.	59	...	1	...	...	3	55	
89	Kohilan	Arab ...	49	2	1	...	...	4	42	
90	Sir Francis	T. B. E.	49	6	2	...	...	...	41	
91	Songster	Do.	51	11	7	...	...	2	31	
92	Essau bin Curtas ...	Arab ...	45	6	8	...	...	24	7	
93	Cyprus	Do. ...	39	7	10	...	...	8	14	
94	Hassar	Do. ...	46	2	2	...	...	4	38	
95	Beaver	Do. ...	50	8	6	...	...	32	4	
96	Sportsman III ...	N. T. E.	59	2	2	...	...	22	33	
97	Lassa	Arab ...	26	...	1	...	...	6	19	
98	Express	Do. ...	41	3	1	...	...	14	23	
99	Reliance II	N. T. E.	20	1	1	...	...	5	13	
100	Sir James	Do.	60	1	1	...	...	7	51	
101	Duncan	T. B. E.	12	2	...	...	...	2	8	
102	Midnight	N. T. E.	58	...	1	...	...	...	57	
103	Akola	Arab ...	55	...	1	...	...	...	54	
104	Hinghamswell ...	N. T. E.	11	...	1	...	...	4	6	
105	Broken	T. B. E.	13	2	...	...	...	6	5	
106	April Morn	Arab ...	32	1	...	...	...	4	27	
107	Ameer	Do. ...	6	...	2	...	...	4	...	
108	Rejeb	Do. ...	18	...	...	..	...	...	18	

J. W. A. MORGAN,
Superintendent, Horse-breeding Operations,
Bombay Presidency.

APPENDIX V.

GOVERNMENT OF BOMBAY.

MULE-BREEDING OPERATIONS.

Statement showing the Number of Mares covered by each Government Donkey Stallion in 1891-92 together with the results ascertained during the year under report.

Number	Name and Class of Donkey Stallions.		Number of Mares covered during 1890-91.	Results.						Remarks.
	Name	Class.		Colts.	Fillies.	Died.	Abortions.	Not held.	Not known	
1	2		3	4						5
1	Boanerges... ...	Arab... ...	25	2	2	...	...	12	9	
2	Pindi	Italian ...	42	1	2	...	...	34	5	
3	Kandahari ...	Bokhára ...	45	...	...	...	...	43	2	
4	Shah Ferid ...	Persian ...	27	2	1	...	...	22	2	
5	Neddy	Arab	45	3	4	...	...	35	3	
6	Banerji	Persian ...	31	1	1	...	...	14	15	Died 22nd September 1891.
7	Hafijganj	Italian ...	25	2	2	...	...	19	2	
8	Plutus	Do. ..	2	...	...	...	...	...	2	
9	Faust	Do. ...	7	...	...	...	...	...	7	
10	Colombo	Do. ...	44	3	3	...	...	...	38	Died 29th March 1892.
11	John	Persian ...	9	1	...	...	...	8	...	
12	Achnera	Cyprus ...	21	...	...	...	...	12	9	
13	Changi	Khorásán ...	6	1	3	...	...	2	...	
14	Gopiganj	Italian ...	47	2	...	...	2	31	12	
15	Kullu	Persian ...	47	1	2	...	...	18	26	
16	Behera	Arab... ...	50	5	3	...	...	40	2	
17	Balaam	Do.	38	...	2	...	...	35	1	
18	Ramghat	Cyprus ...	70	7	2	...	...	...	61	
19	Khandoba ...	Italian ...	75	7	6	...	...	...	62	
20	Bagput	Do. ...	46	3	2	...	...	...	41	
21	Patwari	Do. ...	79	2	...	...	...	...	77	
22	Caliban	Do. ...	14	...	...	...	...	...	14	Died 26th February 1892.
23	Socrates	Persian ...	46	2	...	...	...	12	32	
24	Maidas	Italian ...	5	...	1	...	...	4	...	
25	Jiramjee	Do. ...	22	3	2	...	...	14	3	

J. W. A. MORGAN,
Superintendent, Horse-breeding Operations,
Bombay Presidency.

APPENDIX VI.

GOVERNMENT OF BOMBAY.

HORSE-BREEDING OPERATIONS.

Statement showing Cost of Feed, Keep, Attendants, &c., &c., of Horse Stallions in the Bombay Presidency during 1891-92.

Province.	District.	Number of Stallions or Days.	Total Annual Cost.	Average per Horse Stallion per annum.	General Average in each Province.	REMARKS.
1	2	3	4	5	6	7
			Rs. a. p.	Rs a. p.	Rs. a. p.	
Deccan ...	Poona	4,237	4,367 2 8	377 4 1	.....	
	Ahmednagar ...	5,690	5,367 3 1	316 13 0	.....	
	Sholápur	1,098	903 11 1	301 3 8	.....	
	Bijápur	366	285 5 8	285 5 8	.....	
	Belgaum	366	505 15 6	505 15 6	.....	
	Dhárwár	732	644 1 11	322 1 0	.....	
	Sátára	732	688 3 0	344 1 6	.....	
	Khándesh ...	1,830	1,575 12 5	315 2 6	.....	
	Násik	1,066	1,124 15 10	386 4 0	.....	
	Total ...	16,117	15,462 7 2	.....	351 2 2	
Gujarát ...	Kaira	360	307 6 0	312 5 0	.....	
	Ahmedabad ...	2,977	2,311 4 6	284 2 5	.....	
	Deesa	732	661 0 5	330 8 2	.....	
	Total ...	4,069	3,279 10 11	.....	295 0 0	
Sind and Cutch.	Cutch	1,152	1,044 5 4	576 12 8	.....	
	Karáchi	366	456 9 10	456 9 10	.....	
	Thar and Párkar ...	366	427 9 3	427 9 3	.....	
	Hyderabad ...	925	846 10 9	335 0 1	.....	
	Jacobabad ...	3,242	4,281 9 8	483 5 9	.....	
	Shikárpur ...	1,349	1,228 11 4	333 5 9	.....	
	Total ...	7,400	8,285 8 2	.....	409 12 8	
Beluchistán ...	Sibi	3,464	4,454 15 4	470 11 2	.....	
	Quetta	2,739	4,131 0 10	552 0 2	.....	
	Kelat	...	.....	.....	.....	Returns not received.
	Total ...	6,203	8,586 0 2	.....	506 9 8	

ABSTRACT.

Provinces.	Average in each Province.
1	2
	Rs. a. p.
Deccan	351 2 2
Gujarát	295 0 0
Sind and Cutch	409 12 8
Beluchistán	506 9 8
General average ...	385 12 2

J. W. A. MORGAN,
Superintendent, Horse-breeding Operations,
Bombay Presidency.

APPENDIX VII.

GOVERNMENT OF BOMBAY.

HORSE-BREEDING OPERATIONS.

Annual Return of Stock in the Bombay Presidency during the year ending 31st March 1892.

Details.	GOVERNMENT HORSE STALLIONS.							GOVERNMENT DONKEY STALLIONS.							BRANDED MARES THE PROPERTY OF BREEDERS.				REMARKS.
	T. B. E.	¾ bred.	N. T. E.	Pegu Pony.	Arab Horse.	Arab Pony.	Total.	Arab.	Bokhára.	Italian.	Persian.	Khorásán.	Cyprus.	Total.	For Horse-breeding.	For Pony-breeding.	For Mule-breeding.	Total.	
1	2							3							4				5
Balance on 1st April 1891	11	...	10	1	29	32	83	4	1	11	5	1	2	24	5,424	6,948	758	13,130	
Increase. Received by importation ...	1	...	...	...	...	...	1	...	...	2	...	...	...	2	...	...	...	.....	
Increase. Received by transfer from Bengal	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	.....	
Increase. Purchased in India	...	...	...	...	2	...	2	...	...	...	...	...	...	...	...	...	...	.....	
Increase. Presented to Government ...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	.....	
Increase. Branded during the year ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	286	523	89	898	
Total ...	12	1	10	1	31	33	88	4	1	13	5	1	2	26	5,710	7,471	847	14,028	
Decrease. Died	1	...	...	...	2	3	6	...	...	2	1	...	...	3	11	45	...	56	
Decrease. Sold...	...	...	1	...	3	...	4	...	...	...	...	...	...	...	...	...	...	.....	
Decrease. Transferred to other district ...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....	
Decrease. Transferred to Bengal	1	...	1	...	...	...	2	...	...	...	...	...	...	...	...	...	...	.....	
Total ...	2	...	2	...	5	3	12	...	...	2	1	...	...	3	11	45	...	56	
Balance on 31st March 1892	10	1	8	1	26	30	76	4	1	11	4	1	2	23	5,699	7,426	847	13,972	
Total of each Class ...	76							23							5,699	7,426	847	13,972	
Deccan	45							2							1,313	5,891	...	7,204	
Gujarát	11							...							1,044	1,233	...	2,277	
Sind and Cutch	20							21							2,315	284	838	3,437	
Beluchistán	...							...							1,027	18	9	1,054	
Total ...	76							23							5,699	7,426	847	13,972	

J. W. A. MORGAN,
Superintendent, Horse-breeding Operations,
Bombay Presidency.

APPENDIX VIII.

GOVERNMENT OF BOMBAY.

HORSE-BREEDING OPERATIONS.

General Statement showing the Results of the year's Operations during the official year 1891-92.

Serial Number.	Province.	Number of branded Mares, the property of Breeders, remaining on the registers on the 31st March 1892.	Number of branded Mares, the property of Breeders, covered by Government Stallions.		Number of Government Stallions employed at Stud work.		Average number of branded Mares covered in 1891-92 per stallion employed during the year.	Number of Stock, the property of Breeders, got by Government Stallions foaled during the year 1891-92, result of covering of 1890-91.														Number of Mares covered in 1890-91 the results of which are known.	Number of Government Stallions employed in 1890-91, the results of which with regard to coverings are known.	Percentage of Produce foaled during 1891-92, to Mares covered in 1890-91.	Average number of Produce foaled during 1891-92 per Stallion employed at Stud work in 1890-91.
								Colts.					Fillies.												
			During 1890-91.	During 1891-92.	During 1890-91.	During 1891-92.		T. B. E.	N. T. E.	Arab.	Pegu.	Total.	T. B. E.	N. T. E.	Arab.	Pegu.	Total.	Died.	Abortions.	The results of mares not known.	Not held.	Grand Total.				
1	2	3	4		5		6	7															8	9	10	11
1	Deccan	7,204	1,288	1,121	40·5	42·26	26 52	35	27	127	2	191	21	21	113	3	158	130	31	68	710	1,288	1,220	38·5	41·80	13·24
2	Gujarát	2,277	349	407	9	10·81	37·65	4	...	33	...	37	5	...	34	...	39	12	2	72	187	349	277	9	32·49	10·
3	Sind and Cutch ...	2,599	834	638	20·8	18·66	34·19	11	19	58	...	88	15	17	51	...	83	...	3	435	225	834	399	17·8	43·60	9·77
4	Beluchistán	1,045	799	921	16·8	16·94	54·36	21	4	29	...	54	9	7	32	...	48	...	...	546	151	799	253	15·8	40·31	6·45*
	Total ...	13,125	3,270	3,087	87·1	88·67	34·81	71	50	247	2	370	50	45	230	3	328	142	36	1,121	1,273	3,270	2,149	81·1	40·76	10·80

N. B.—In working out averages, abortions and deaths are taken into account.

* Khelát returns not received.

J. W. A. MORGAN,
Superintendent, Horse-breeding Operations,
Bombay Presidency.

APPENDIX IX.

GOVERNMENT OF BOMBAY.

HORSE-BREEDING OPERATIONS.

Statement showing the Number of Mares cast from Corps and Batteries and sold to bonâ-fide Breeders for breeding purposes during 1891-92.

Serial No.	Brand Number.	Colour.	From whence cast.		Date of Sale.	Sold for Horse or Mule-breeding.	Name of Purchaser.	Price.	Remarks.
			Corps and Batteries.	Station.					
1	2	3	4		5	6	7	8	9
								Rs. a. p.	
1	57	Roan ...	27th Field Battery.	Ahmedabad.	26th September 1891.	Horse-breeding.	Mr. J. Strip ...	1 0 0	

ABSTRACT.

Province.	Number of Mares.	Amount.	Average.
		Rs. a. p.	Rs. a. p.
Gujarát	1	1 0 0	1 0 0

J. W. A. MORGAN,
Superintendent, Horse-breeding Operations,
Bombay Presidency.

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

APPENDIX X.

GOVERNMENT OF BOMBAY.

HORSE-BREEDING OPERATIONS.

Statement of Remounts purchased during the official year 1891-92.

Presidency.	Remounts purchased by	Number of Remounts purchased.				Ages of Remounts purchased.											Breeds of Remounts purchased.				Remarks.
		Horses.	Mares.	Geldings.	Total.	Under 1 year.	1 and under 1½ year.	1½ and under 2 years.	2 years and over.	3 years and over.	4 years and over.	5 years and over.	6 years and over.	7 years and over.	8 years and over.	Total.	Produce of Government Stallions.	Class of Sires not known.	Country-bred.	Total.	
1	2	3				4											5				6
Pombay ...	Bombay Native Cavalry ...	98	1	2	101	...	...	...	15	11	30	26	13	4	2	101	21	...	80	101	
	Police, Northern Division ..	8	...	1	9	...	...	...	...	6	1	...	1	...	1	9	6	3	...	9	
	Do. Central do. ...	6	2	...	8	...	...	...	...	1	5	2	...	...	...	8	2	4	2	8	
	Do. in Sind	64	8	3	75	...	...	...	3	5	30	28	5	3	1	75	5	7	63	75	
	Remount Rearing Depôt at Ahmednagar	...	...	...	*58	...	...	...	...	...	...	...	...	...	...	*58	...	...	...	*58	
	Total ...	176	11	6	251	...	...	...	18	23	66	56	19	7	4	251	34	14	145	251	

*Details are not received, and therefore the figure has been shown only in the totals.

J. W. A. MORGAN,

Superintendent, Horse-breeding Operations,
Bombay Presidency.

APPENDIX XI.

GOVERNMENT OF BOMBAY.

HORSE-BREEDING OPERATIONS.

Statement showing the Number of Colts, the property of Zamindárs, castrated by District Sálutris and Castrators in the Bombay Presidency and Beluchistán Horse-breeding Districts during the official years 1891-92.

Province.	District.	Number of Colts castrated.	Number of deaths resulting from effects of castration.	REMARKS.
1	2	3	4	5
Deccan ...	Poona	13	.....	
	Khándesh	45	.....	
	Ahmednagar	7	.....	
Gujarát ...	Ahmedabad	14	.....	
Beluchistán ...	Sibi	132	.....	
	Quetta	109	... ..	
	Total ...	320	.....	

N.B.—Besides these, the Ahmednagar sálutri castrated 100 colts from the Ahmednagar Remount Rearing Depôt.

APPENDIX XII.

GOVERNMENT OF BOMBAY.

MULE-BREEDING OPERATIONS.

Casualty Roll of Donkey Stallions during the official year 1891-92.

Number.	Name.	Breed.	Description of casualty.	Date of casualty.	Nature of casualty.
1	2	3	4	5	6
1	Banerjee ...	Persian ...	Died ...	22nd Sept. 1891 ...	Obstruction of the gloths.
2	Caliban ..	Italian ...	Do. ...	26th Feb. 1892 ...	Hydrophobia.
3	Colombo ...	Do. ...	Do. ...	29th Mar. 1892 ...	Inflammation of the bladder.

ABSTRACT.

Presidency.	Province.	Number died.	Number destroyed.	Total.	Average death.	Average destroyed.	General average.
1	2	3	4	5	6	7	8
Bombay	Sind	3	...	3	13·4	...	13·4

J. W. A. MORGAN,
Superintendent, Horse-breeding Operations,
Bombay Presidency.

APPENDIX XIII.

GOVERNMENT OF BOMBAY.

MULE-BREEDING OPERATIONS.

Statement showing Cost of Feed, Keep, Attendants, &c., &c., of Donkey Stallions in the Bombay Presidency during 1891-92.

Province.	District.	Number of Stallions or Days.	Total Annual Cost.	Average per Stallion per annum.	General average in each Province.
1	2	3	4	5	6
			Rs. a. p.	Rs. a. p.	
Deccan	Ahmednagar...	166	231 11 7	388 1 10	.....
	Total ...	166	231 11 7	.....	388 1 10
Sind	Hyderabad ...	732	435 13 10	217 14 11	.....
	Umarkot ...	135	103 6 10	281 7 10	.....
	Shikárpur ...	5,054	3,275 9 8	237 3 4	.....
	Jacobabad ...	2,179	1,721 12 8	287 14 1	.....
	Total ...	8,100	5,536 11 0	.....	250 2 9
Beluchistán ...	Sibi	347	213 12 6	225 7 9	.....
	Total ...	347	213 12 6	.....	225 7 9

ABSTRACT.

Province.	Average in each Province.
	Rs. a. p.
Deccan	388 1 10
Sind	250 7 9
Beluchistán	225 7 9
General average ...	254 3 3

J. W. A. MORGAN,
Superintendent, Horse-breeding Operations,
Bombay Presidency.

APPENDIX XIV.

GOVERNMENT OF BOMBAY.

MULE-BREEDING OPERATIONS.

General Statement showing the Results of the year's Operations during the official year 1891-92.

Serial Number.	Province.	Mares covered.		Number of Government Donkey Stallions employed at stud work.		Average number of Mares covered during 1891-92 per Stallion employed in the year.	Mules by Government Donkey Stallions foaled during the year.															Number of Mares covered in 1890-91 the results of which are known.	Number of Government Donkey Stallions employed in 1890-91 the results of which with regard to coverings are known.	Percentage of Produce foaled during 1891-92 to Mares covered in 1890-91.	Average number of Produce foaled during 1881-92 per Stallion employed in 1890-91.
							Colt Mules.						Filly Mules.												
		During 1890-91.	During 1891-92.	During 1890-91.	During 1891-92.		Arab.	Khorásán.	Cyprus.	Italian.	Persian.	Total.	Arab.	Khorásán.	Cyprus.	Italian.	Persian.	Total.	Not known.	Abortions.	Not held.	Grand Total.				
1	2	3		4		5	6																7	8	9	10
1	Deccan	...	1	...	·45	2·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Sind	846	988	20	22·13	44·64	10	1	7	20	7	45	11	3	2	16	4	36	422	2	341	846	424	17	19·57	4·88
3	Beluchistán	22	30	1	·94	31·91	...	...	...	3	...	3	...	...	...	2	...	2	3	...	14	22	19	1	26·31	·5*
	Total ...	868	1,019	21	23·52	43·32	10	1	7	23	7	48	11	3	2	18	4	38	425	2	355	868	443	18	19·86	4·8

N.B.—In working out the averages, abortions and deaths are taken into consideration.

* Khelát returns not received.

J. W. A. MORGAN,
Superintendent, Horse-breeding Operations,
Bombay Presidency.

APPENDIX XV

GOVERNMENT OF BOMBAY.

HORSE-BREEDING OPERATIONS.

General statement showing the Horse Shows held during the official year 1891-92.

Number.	Station.	Date.	Number of animals exhibited.	Receipts.						Expenditure.				Balance remaining for the next year.	Remarks.
				Last year's balance.	Government Grant.	Local Fund Grant.	By private subscription.	From other sources.	Total.	Prizes.		Other expenses incurred.	Total expenses.		
										No.	Value.				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
				Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
1	Poona	21st and 22nd September 1891.	255	894 12 6	2,000 0 0	500 0 0	997 0 0	832 12 0	5,224 8 6	72	2,745 0 0	1,634 8 8	4,379 8 8	844 15 10	
2	Ahmednagar ...	9th to 11th November 1891.	269	.....	1,000 0 0	100 0 0	.....	.....	1,100 0 0	63	890 0 0	209 0 0	1,099 0 0	1 0 0	
3	Ahmedabad ...	8th to 11th February 1892.	911	3,336 14 0	2,000 0 0	1,000 0 0	1,737 8 0	15 0 0	8,089 6 0	93	2,425 0 0	1,739 10 4	4,164 10 4	3,924 11 8	
4	Shikárpur... ...	11th January 1892 and following days.	870	.....	2,000 0 0	4,700 0 0	.....	.....	6,700 0 0	244	4,500 0 0	2,158 0 0	6,658 0 0	42 0 0	
5	Sibi	29th February to 3rd March 1892.	1,339	210 13 3	1,000 0 0	1,900 0 0	.....	.....	3,110 13 3	219	2,301 0 0	762 10 3	3,063 10 3	47 3 0	
6	Quetta	1st and 2nd October 1891.	438	.....	250 0 0	1,117 13 3	.....	.....	1,367 13 3	61	736 0 0	631 13 3	1,367 13 3	.....	
	Total ...	.....	4,082	4,442 7 9	8,250 0 0	9,317 13 3	2,734 8 0	847 12 0	25,592 9 0	752	13,597 0 0	7,135 10 6	20,732 10 6	4,859 14 6	

J. W. A. MORGAN,
Superintendent, Horse-breeding Operations,
Bombay Presidency.

APPENDIX XVI.

GOVERNMENT OF BOMBAY.

HORSE-BREEDING OPERATIONS.

General Statement of Expenditure during the official year 1891-92.

Number.	Heads of Expenditure.	Pay.	Travelling Allowance.	Service Stamps.	Telegrams.	Office Rent.	Miscellaneous Contingent Expenses.	Cost of Feed, &c., &c.				Grand Total.	Remarks.
								Debited to Local Funds.	Debited to Provincial.	Paid by Government of India.	Total.		
1	2	3	4	5	6	7	8	9				10	11
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
1	Superintendent	4,800 0 0	2,280 13 4	.....	.....	.....	.....	.....	.....	.....	.....	7,080 13 4	
2	Office Establishment	2,271 0 0	1,286 4 0	.....	.....	.....	.....	.....	.....	.....	.....	3,557 4 0	
3	Inspectors	1,140 0 0	357 7 6	.....	.....	.....	.....	.....	.....	.....	.....	1,497 7 6	
4	Castrators	1,407 11 0	158 10 0	.....	.....	.....	.....	.....	.....	.....	.....	1,566 5 0	
5	Office expenses	.....	.....	70 0 0	43 14 0	240 0 0	398 10 2	.....	.....	.....	.....	752 8 2	
6	Stallions' keep, &c.	.....	.....	.....	.....	.....	.....	11,361 1 6	15,666 8 9	8,586 0 2	35,613 10 5	35,613 10 5	
7	Donkeys' keep	.....	.....	.....	.....	.....	.....	2,512 4 6	3,256 2 1	213 12 6	5,982 3 1	5,982 3 1	
8	Stallions' purchase	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,467 0 0	
9	Horse Shows	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8,250 0 0	
	Total ...	9,610 11 0	4,083 2 10	70 0 0	43 14 0	240 0 0	398 10 2	13,873 6 0	18,922 10 10	8,799 12 8	41,595 13 6	66,767 3 6	

J. W. A. MORGAN,
Superintendent, Horse-breeding Operations,
Bombay Presidency.

REVIEW BY THE DIRECTOR, LAND RECORDS AND AGRICULTURE.

No. 3548 OF 1892.

Poona, 10th December 1892.

Forwarded with compliments.

2. Veterinary Captain Grainger was in charge of the Department during the year under report; he was succeeded, on the 20th May, 1892, by Veterinary Captain Morgan, who has added to the report, written by his predecessor, notes on the statistics appended.

3. It is desirable that the form of these reports, which is extremely faulty, both in respect of the arrangement of the text and of the appended statistical information, should be amended. On this subject full proposals have been made separately* on a reference received from the Government of India.

* This office No. 3513, dated 10th December 1892.

4. Veterinary Captain Grainger visited the districts noted in the margin and also the following places on duty:—Quetta, Sibi, Cutch Mándvi, Bhúj, Deesa, and Bombay. He attended horse-shows at Poona, Quetta, Shikárpur, Ahmadabad and Sibi. Owing to sickness he was unable to attend the Ahmadnagar Show. His tour appears to have been sufficient and well-planned.

Poona.	Karáchi.
Ahmadnagar.	Hyderabad.
Násik.	Shikárpur.
Khándesh.	Upper Sind Frontier.
Ahmadabad.	

5. The number of remounts purchased for the Bombay Presidency and Sind fell from 435 in 1890-91 to 251, of which the Native Cavalry took 101, Police 92, and the Ahmadnagar Rearing Depôt 58. At the Sind and Beluchistán horse-shows 184 additional remounts were obtained for other provinces as against 137 in the preceding year, making a total decrease of 137 (435 against 572).

6. Of the 251 remounts for the Presidency and Sind, 34, or 13 per cent., were the ascertained produce of Government stallions. These horses were presumably the produce of 1885-86 and 1886-87 coverings, when there were 89 and 122 horse and pony stallions on the registers (including Beluchistán). The number now on the registers is 99.

7. It is clear that in this respect Government is obtaining a very indifferent return for outlay. In 1890-91, 435 animals were obtained, of which 168 were the produce of Government stallions, but the proportion was greatly raised in that year by the large purchases for the Ahmadnagar Depôt, the young stock being selected to some extent for pedigree. The returns do not afford data for the comparison of the total number of remounts (Army Remount Department included), obtained in the Presidency, Beluchistán, and Sind with the number of horse stallions (ponies excluded) serving in these territories, nor do they show the proportion sired by these stallions. There should be no further difficulty in reporting these figures than lies in the occasional uncertainty of pedigree, and the doubtful cases should be separately shown, as is done for the Presidential remounts in the present report (Appendix X). These data are essential to a correct appreciation of the amount of benefit derived by Army and Police from the horse-breeding operations.

8. The number of mares covered by horse and pony stallions (including the Beluchistán stud) was 3,087 as against 3,270 last year, with an average per stallion of 34·81 against 37·5. The decrease is attributed, probably with justice, to the want of fodder in an unfavourable season and to the consequent falling off in the number and condition of the mares. In the Presidency Proper the average was only 28·79; in Sind and Cutch it was 34·19; in Beluchistán 54·36. The full utilization of stallions being the first essential to success it is unfortunate that more mares could not be put to them. In this respect the failure has been continuous, the highest average during the past five years being 33 in the Presidency and 41 in Sind and Cutch.

9. The number of mares branded was 809, which, compared with last year's figure (1,046), is a decrease of 22·66 per cent. This is stated by the Superintendent to be also mainly due to the low condition of the mares, the district stock returns showing, further, that a good many animals were sold by their owners owing to seasonal causes. But the chief fall is in Gujarát, and there is a fall of 40 per cent. in Beluchistán; in both these tracts the scarcity of fodder was less marked than elsewhere, so that branding operations might apparently have been more extensive. In view of the under-working of the stallions, pointed out in the preceding paragraph, this is a matter which calls for immediate attention.

10. The total number of horse and pony stallions (99), including 5 additions during the year, has decreased by 5, six horses having died and four being sold as incompetent. The distribution of the horses was as follows:—45 in the Deccan, 11 in Gujarát, 20 in Sind and Cutch, and 23 in Beluchistán. The number of stands decreased by 4. The number of branded mares on the registers is stated to be 13,972, but as only 53 casualties have been struck off from the previous total of 14,028 the return is apparently of no value. The Superintendent is giving his attention to this matter with a view to the return of correct figures for next year's report.

11. Donkey stallions for mule-breeding number 23, as last year, covering 1,019 mares, as against 868. The average of mares covered per stallion has also risen from 41·3 to 43·32. Mule-breeding is still confined to Sind; but for part of the year a donkey was stationed at Ahmadnagar, and Veterinary Captain Morgan is sanguine of introducing the industry into this district. The produce results shown are worthless, the Sind registration being extremely defective.

12. The condition of stallions of all kinds has somewhat improved during the year under report, the effective number (horse and pony stallions) having risen from 87·1 to 88·67. This is partly due to the 10 casualties occurring among the less efficient animals, but is also in part attributable to the regular exercise which is now insisted on; a further improvement should be found next year, following arrangements in progress to obtain more general observance of this rule. The stallions have been placed under the immediate supervision of the Veterinary Assistants at stations where dispensaries exist.

13. The produce results (paragraphs 19 and 20 of the Superintendent's report) are not more satisfactory than in former years. The improvement of these returns has been fully considered by the undersigned in consultation with the Superintendent, and separate proposals are being submitted to Government; but it may be noticed that after full enquiry the returns, so far as the Presidency Proper is concerned, are not proved to be incorrect to any great degree. The Superintendent has added to the Appendix a return (No. IV) as called for by Government in the review of last year's report, showing against each horse his coverings of the previous year and the foals attributed to him in the year under report; but the form requires amendment, and, notably, now omits the number of coverings in the present year. On this and other points on which the returns are faulty, the undersigned has more fully reported in his No. 3513, dated 10th December 1892, referred to in paragraph 3 above. Appendix IV, as it stands, does not show where each horse is stationed, but taking the distribution to be the same as last year, 67 horses are at service in the Presidency Proper including Cutch. These horses are credited with a total produce of 633, including abortions and animals since dead. This is an average of only 9·4 per stallion. The total "not held" is 1,006, or an average of 15·01, and the total "unknown" 140, or an average of 2·09. These figures are not satisfactory, as they show that only about one-third of the coverings are successful. The produce of each of the thoroughbred English horses averaged 9·7, of the Norfolk-trotters 12·5, of the Arabs 9·04; and that of the one Pegu pony was 9.

14. Castration has made some progress, the animals operated on being 320 against 127 last year, exclusive of 100 colts castrated at the Ahmadnagar Rearing Depôt. The attention of Dispensary Committees has been called to the rule making castration a duty of Veterinary Assistants.

15. The average annual cost per horse-stallion (Rs. 385-12-2) is the highest of 13 years past, with the exception of 1878-79. The high price of food and fodder consequent on a bad season sufficiently accounts for this. The donkey stallions, stationed in Sind almost exclusively, were kept at a lower cost than last year (Rs. 254-6-7 against Rs. 272-5-10).

16. The total expenditure on horse-breeding amounted to Rs. 66,767 against Rs. 68,502 in 1890-91. The amount defrayed from Provincial Revenues was Rs. 42,844. Local Funds contributed Rs. 13,873, and the balance of Rs. 10,049 was paid out of Imperial Revenues for the cost of stallions in Beluchistán and for prizes at the Sibi and Quetta shows.

17. The report is forwarded later than usual, as it has been necessary to consider with it the other matters of reference alluded to, and also questions relating to the general improvement of horse-breeding operations (report preparing for press for submission to Government through the Revenue Commissioners), all of which have called for careful and laborious consideration.

E. L. CAPPEL,
Director, Land Records and Agriculture.

Annual Report of the Department of Horse-Breeding Operations for 1891-92.

No. 2451.

REVENUE DEPARTMENT.

Bombay Castle, 8th April 1893.

Letter from Mr. J. K. Grainger, Superintendent, Horse-Breeding Operations, No. 491, dated 15th April 1892—Submitting a report on his tours in the Bombay Presidency and Beluchistán; and making remarks on the general working of the Department of Horse-Breeding Operations.

Memorandum from the Director of Land Records and Agriculture, No. 873, dated 21st April 1892—Forwarding the above.

Letter from the Superintendent, Horse-Breeding Operations, No. 714, dated 10th May 1892.

Endorsement by the Director of Land Records and Agriculture, No. 1086, dated 13th May 1892—Forwarding the above.

Letter from the Superintendent, Civil Veterinary Department, No. 987, dated 27th June 1892—Submitting for consideration the detailed report of the working of the Department in his charge, together with statistical returns for the year 1891-92; and making remarks.

Letter from the Director of Land Records and Agriculture, No. 3784, dated 31st December 1892—Submitting the above with his review thereof.

RESOLUTION.—This report which relates to the operations of the year ending 31st March 1892 has been reviewed in detail by the Director of Land Records and Agriculture, as directed in paragraph 10 of Government Resolution No. 1259, dated 19th February 1892. The explanation furnished by the Director for the delay made by him in the submission of the report to Government is accepted, but care should be taken to avoid such delays in future. The proposals regarding the amendment of the form of this report, submitted by the Director in a separate communication, are under the consideration of Government, and orders will be passed on the subject in due course.

2. Mr. Grainger, who was in charge of the Department throughout the year under review and who proceeded on leave shortly after the close of the year, seems to have moved over a sufficiently large area of the Presidency during the period. The results of the operations of the year, so far as they relate to horse-breeding, are far from satisfactory. The total number of mares covered by horse and pony stallions, the average number per stallion and the number of mares newly branded and brought on the register of the Department fell from 3,270, 37·5 and 1,046 in 1890-91 to 3,087, 34·81 and 809 in 1891-92 respectively. This decrease is mainly attributed to the fact that, owing to the scarcity of fodder during the year, there was a considerable falling off both in the number and condition of the animals in parts of the Presidency. There was also a falling off in the produce results ascertained during the year as compared with those of the previous year, the total number of foals being 698 (370 colts and 328 fillies) against 813 (430 colts and 383 fillies) in 1890-91. Ten casualties occurred during the year among the horse stallions, 6 animals having died and 4 having been sold as unfit for stud purposes. The total number of stallions remaining on the books of the Superintendent on 31st March 1892 was 99 against 104 on the corresponding date of the preceding year, and the average number employed on stud work during the year was 88·67 against 87·1 in 1890-91. It is satisfactory to notice that every effort is being made to keep the stallions in an efficient condition. The remark made by the Director in paragraph 8 of his

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memorandum that the services of stallions have not been fully utilized for years past deserves the special notice of the Superintendent, who should use every endeavour to show better results in future.

3. The total number of remounts purchased during the year at the several horse-shows held in the Presidency proper, Sind and Beluchistán was 251 for this Presidency and 184 for other Provinces as compared with 435 and 137 respectively purchased in the preceding year. Of the 251 remounts purchased for this Presidency, only 34 or 13 per cent. were ascertained to have been the produce of Government stallions. The attention of the Superintendent should be drawn to the remarks made on the subject in paragraph 7 of the Director's memorandum, and that officer should be requested to furnish the information required by the Director in future reports.

4. The results of the mule-breeding operations of the year under review show a slight improvement over those of the previous year. The total number of mares covered by the donkey-stallions and the average number per stallion rose from 868 and 41·3 in 1890-91 to 1,019 and 43·32 in 1891-92. There was also an increase of 27 in the number of mules (88) ascertained during the year to have been the produce of Government stallions as compared with the corresponding figure (61) of the preceding year.

5. The total expenditure of the Department during the year amounted to Rs. 66,767 against Rs. 68,502 in 1890-91. Of this sum, Rs. 13,873 were contributed by the Local Funds and Rs. 10,050 by the Government of India, and the balance of Rs. 42,844 was defrayed from the Provincial Revenues.

W. L. HARVEY,
Under Secretary to Government.

To

The Superintendent, Civil Veterinary Department,
The Commissioner, N. D.,
The Commissioner, C. D.,
The Commissioner, S. D.,
The Commissioner in Sind,
All Collectors, including the Collectors and Deputy Commissioners in Sind,
The Survey Commissioner and Director of Land Records and Agriculture,
The Accountant General,
The Military Department of the Secretariat,
The Political Department of the Secretariat.
} With copies of the report.

The Secretary of State for India,
The Government of India.
} By letter.

No. of 1893.

Copy forwarded for information and guidance to